

**COPY**JointASSIGNMENT

WHEREAS, we, **Feiling Wang, Kewen Kevin Li and Dean Tsang**, have invented a certain improvement in **SPATIAL LIGHT MODULATOR** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **November 17, 2000** as Application No. **09/715,867**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Corning Applied Technologies, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **14A Gill Street, Woburn, Massachusetts 01801** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

*Feiling Wang*

Feiling Wang

State/Commonwealth \_\_\_\_\_

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named **Feiling Wang** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 22nd day of August, 20 01.

(SEAL)

*Cynthia A. Kahman*

Notary Public

CYNTHIA A. KAHMAN

(print name)

My Commission expires 6/20/2008

Inventor's Signature: Kewen H. Li  
Kewen Kevin Li

State/Commonwealth  
of Massachusetts  
County of \_\_\_\_\_

Then personally appeared before me the above-named **Kewen Kevin Li** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 3rd day of July, 2001.

(SEAL)

Cynthia A. Kahman Notary Public  
Cynthia A. Kahman (print name)  
My Commission expires 6 / 20 / 2008

Inventor's Signature: Dean Tsang  
Dean Tsang

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named **Dean Tsang** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 3rd day of July, 2001.

(SEAL)

Cynthia A. Kahman Notary Public  
Cynthia A. Kahman (print name)  
My Commission expires 6 / 20 / 2008



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Substitute Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SPATIAL LIGHT MODULATOR

the specification of which (check one)

☐ is attached hereto.

☒ was filed on November 17, 2000 as United States Application

Number or PCT International Application No. 09/715,867

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
<u>                    </u> (Number)	<u>                    </u> (Country)	<u>                    </u> (Day/Month/Year filed)	[ ]	[ ]	[ ]
<u>                    </u> (Number)	<u>                    </u> (Country)	<u>                    </u> (Day/Month/Year filed)	[ ]	[ ]	[ ]
<u>                    </u> (Number)	<u>                    </u> (Country)	<u>                    </u> (Day/Month/Year filed)	[ ]	[ ]	[ ]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/166,380</u> (Application Number)	<u>November 18, 1999</u> (Filing Date)
<u>                    </u> (Application Number)	<u>                    </u> (Filing Date)

RECEIVED  
JUL -2 2002  
TECHNOLOGY CENTER 2800

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the attorneys and/or agents associated with  
**Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, Concord, Massachusetts 01742-9133**  
**Customer No. 21005,**

and \_\_\_\_\_,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Please send correspondence to:**

☒ **Customer No. 21005**  
**HAMILTON, BROOK, SMITH & REYNOLDS, P.C.**  
**530 Virginia Road**  
**Concord, MA 01742-9133**

or

☐ **Address as follows:**

Direct telephone calls to: David J. Thibodeau, Jr. Telephone No.: 978-341-0036

Direct facsimiles to: David J. Thibodeau, Jr. Facsimile No.: 978-341-0136

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

-----  
Full name of sole

or first inventor Feiling Wang

Inventor's Signature Feiling Wang Date 5/6/02

Residence 54 Forest Street, Unit 322

Medford, Massachusetts 02155

Citizenship CHINA

Mailing Address Same as above  
-----

Full name of second joint

inventor, if any Kewen Kevin Li

Inventor's Signature

Kewen K. Li

Date 5/3/2002

Residence 16 Russett Lane

Andover, Massachusetts 01810

Citizenship CHINA

Mailing Address Same as above

Full name of third joint

inventor, if any Dean Tsang

Inventor's Signature

Dean Tsang

Date 5/3/2002

Residence 26 Beacon Street, Apartment 34F

Burlington, Massachusetts 01803

Citizenship USA

Mailing Address Same as above

Full name of fourth joint

inventor, if any Hua Jiang

Inventor's Signature

Hua Jiang

Date 5/3/2002

Residence 62 Kerry Drive

Mansfield, Massachusetts 02048

Citizenship USA

Mailing Address Same as above